RAW SEQUENCE LISTING DATE: 09/29/2000 PATENT APPLICATION: US/09/479,467A TIME: 18:28:27

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Output Set: N:\CRF3\09292000\I479467A.raw

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3 <110> APPLICANT: Sternberg, Paul W.
          Barr, Maureen M.
   <120> TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE HOMOLOGS REQUIRED FOR MALE MATING
 7 BEHAVIOR IN NEMATODES AND ASSAYS BASED THEREON 9 <130> FILE REFERENCE: 18021-2901B
11 <140> CURRENT APPLICATION NUMBER: 09/479,467A
12 <141> CURRENT FILING DATE: 2000-01-06
14 <150> PRIOR APPLICATION NUMBER: 60/115,127
15 <151> PRIOR FILING DATE: 1999-01-06
17 <160> NUMBER OF SEQ ID NOS: 16
19 <170> SOFTWARE: PatentIn Ver. 2.0
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22 <211> LENGTH: 12912
23 <212> TYPE: DNA
24 <213> ORGANISM: Homo sapiens PKD-1 gene
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27 <221> NAME/KEY: CDS
28 <222> LOCATION: (1)..(12912)
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    ctg tgg ctc ggg gcg ctg gcg ggg ggg ccc ggg cgc ggc tgc ggg ccc
Leu Trp Leu Gly Ala Leu Ala Gly Gly Pro Gly Arg Gly Cys Gly Pro
20 25 30
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    Cys Glu Pro Pro Cys Leu Cys Gly Pro Ala Pro Gly Ala Ala Cys Arg
    gtc aac tgc tcg ggc cgc ggg ctg cgg acg ctc ggt ccc gcg ctg cgc
Val Asn Cys Ser Gly Arg Gly Leu Arg Thr Leu Gly Pro Ala Leu Arg
    atc ccc gcg gac gcc aca gag cta gac gtc tcc cac aac ctg ctc cgg
Ile Pro Ala Asp Ala Thr Glu Leu Asp Val Ser His Asn Leu Leu Arg
                         70
                                                      75
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Ala Leu Asp Val Gly Leu Leu Ala Asn Leu Ser Ala Leu Ala Glu Leu
85 90 95
                                                                                     288
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   Asp Ile Ser Asn Asn Lys Ile Ser Thr Leu Glu Glu Gly Ile Phe Ala
                  100
                                          105
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    Asn Leu Phe Asn Leu Ser Glu Ile Asn Leu Ser Gly Asn Pro Phe Glu
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Cys Asp Cys Gly Leu Ala Trp Leu Pro Gln Trp Ala Glu Glu Gln Gln
130 135 140
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PATENT APPLICATION: US/09/479,467A

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Output Set: N:\CRF3\09292000\I479467A.raw

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69	145		ggc			150			a + a	~~~		ata	a20	a a t	aac		528
71	ctg	gct	ggc	cag	CCL	cty	CLL	990	TIO	Dro	Tou	TOU	Acn	Cor	G1v	Cve	320
72	Leu	АТА	GTA			Leu	ьец	GIY	ire	170	пеп	neu	пор	JCI	175	0,0	
73			gag		165		+~~	a+ a	aat		220	200	taa	aac		ata .	576
75	ggt	gag	gag	tat	gtc	gcc	tgc	CLC	Dma	yac	Aar	cor	Cor	Clv	Thr	Val	370
76	GIY	Glu	Glu		vai .	Ата	Cys	ьeu	185	ASP	ASII	ser	ser	190	1111	Val	
77				180							~~~	a+a	a++		002	a a a	624
79	gca	gca	gtg	tcc	ttt	tca	get	gec	Cac	gaa	990	tou	Tou	Cla	Dro	Clu	024
80	Ala	Ala	Val	Ser	Phe	ser	Ala		HIS	GIU	СТХ	Leu	205	GIII	PIU	Gru	
81			195					200								ata	672
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84	Ala		Ser	Ala	Phe	Cys		Ser	Inr	GTA	GIN		Leu	ATa	Ala	Leu	
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92	Ser	Phe	Ala	Cys		Ser	Leu	Cys	Ser		Pro	Pro	Ala	Pro	Pro	Ala	
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101			275					280					285				
103	cta	a gc	a gcc	ttc	cac	ato	gct:	gcc	ccc	g cto	c cci	t gto	e act	t ga	c aca	a cgc	912
104	Lei	ı Ala	a Ala	Phe	His	116	Ala	a Ala	Pro) Lei	ı Pro			r Asj	p Thi	Arg	
105		29					295					300					
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108	Tr) As	p Phe	Gly	Asp	Gly	, Sei	Ala	ı Glı	ı Val	L Ası	o Ala	a Ala	a Gl	y Pro	Ala	
109	305	5				310					313					320	
111	gco	t to	g cat	cgc	: tat	gto	g cto	, cct	gg	g cgo	: ta	t cad	c gt	g ac	g gco	gtg	1008
112	Ala	a Se	r His	: Arg	Tyr	Va]	L Leı	ı Pro	Gly	/ Ar	ј Ту	r Hi	s Val	l Th	r Ala	a Val	
113					325					33(33		
115	ct	g gc	c ctg	999	r gcc	ggg	tca	gco	ctq	g cto	g gg	g ac	a gad	c gt	g cag	ggtg	1056
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117				340)				34	5				35	0		
119	qaa	a qc	g gca	cct	gcc	gco	cto	gag	g cto	gte	g tg	c cc	g te	c to	g gt	g cag	1104
120	Ğlı	ı Al	a Ala	Pro	Āla	Ala	a Lei	ı Glu	ı Let	ı Vai	L Cy:	s Pro	o Sei	r Se	r Val	l Gln	
121			355	5				360)				36	5			
123	agi	t ga	c gad	ago	cto	gad	cto	ago	ato	cag	g aad	e eg	c ggt	t gg	t tca	a ggc	1152
124	Se	r Ási	p Ğlü	ser	Leu	Ās	Lei	ı Sei	rIle	⊋ Glı	n Ası	n Ar	g Gly	y G1	y Se	r Gly	
125		37					375					38					
127	cto			g qcc	tac	aqq	ato	gto	ge	ct	g gg	c ga	g ga	g cc	g gc	c cga	1200
128	Lei	1 Gl:	u Ala	ιÁla	Tyr	Se	rIle	val	Ālā	a Lei	ı G1	y Gl	u Gli	u Pr	o Ala	a Arg	
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132	λl:	a Va	1 His	Pro	Leu	Cvs	s Pro	Sei	ÂSI	o Th	r Gl	u Il	e Phe	e Pr	o Gl	y Asn	
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140	Gln	Glu		Cys	Gln	Ala	\mathtt{Trp}		Gly	Ala	Ala	Leu		Met	Val	Asp	
141			435					440					445				
143									gtc								1392
144	Ser		Ala	Val	Gin	Arg		Leu	Val	Ser	Arg		Thr	Arg	Ser	Leu	
145 147	~~~	450	+~~	-+-	~~~	++-	455	20+	***		~~~	460	~~~	ata	~~~		1440
147									gtg Val								1440
149	465	Val	тър	116	GIY	470	Jer	1111	Val	GIII	475	Val	Giu	Val	GLY	480	
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163 164									cca Pro								1632
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168									Leu								
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172	Ala	Gln	Gln	Asp		Leu	Ser	Ala	Pro		Glu	Pro	Val	Glu		Met	
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176	Val	Phe	Pro	-	Leu	Arg	Leu	ser	Arg	GIU	Ата	Pne	Leu		Thr	Ala	
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192 193	met	Pro	GTÅ	σту	Arg 645	TIP	Cys	PLO	Gly	650	ASN	тте	Cys	μeu	655	ьeu	
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227 228 229	Arg 785	Pro	Asn	Pro	Gly	Leu 790	Arg	Leu	cct Pro	Gly	Arg 795	Tyr	Glu	Val	Arg	Ála 800	2400
231 232 233	gag Glu	gtg Val	ggc Gly	aat Asn	ggc Gly 805	gtg Val	tcc Ser	agg Arg	cac His	aac Asn 810	ctc Leu	tcc Ser	tgc Cys	agc Ser	ttt Phe 815	gac Asp	2448
235 236 237	Val	Val	Ser	Pro 820	Val	Ala	Gly	Leu	cgg Arg 825	Val	Ile	Tyr	Pro	Ala 830	Pro	Arg	2496
239 240 241	Asp	Gly	Arg 835	Leu	Tyr	Val	Pro	Thr 840	aac Asn	Gly	Ser	Ala	Leu 845	Val	Leu	Gln	2544
243 244 245	gtg Val	gac Asp 850	tct Ser	ggt Gly	gcc Ala	aac Asn	gcc Ala 855	acg Thr	gcc Ala	acg Thr	gct Ala	cgc Arg 860	tgg Trp	cct Pro	Gly	ggc Gly	2592
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251 252 253									acc Thr								2688
255 256 257	gta Val	gca Ala	ctg Leu	ccg Pro 900	tgg Trp	ctc Leu	agt Ser	gag Glu	999 Gly 905	gag Glu	cac His	gtg Val	gtg Val	gac Asp 910	gtg Val	gtg. Val	2736
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269	945	пси	UIII	OLY	741	950	141	*** 9	-1-		955					960	
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272	Cor	Acn	Mot	Val	Phe	Ara	Ψrn	Thr	Tla	Agn	Agn	Lvs	Gln	Ser	Len	Thr .	
272	261	vaħ	ne c	Val	965	Arg	ııp	1111		970	NDP.	273	0	DCI	975		
275	ttc	сап	aac	ata	gtc	ttc	aat	atc	att		cag	age	aca	aca		ttc	2976
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VERIFICATION SUMMARY

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